

ASHLY

12dB Per Octave Electronic Crossovers

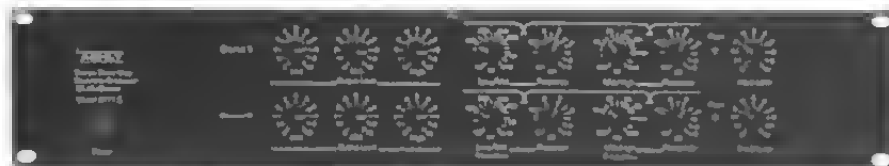
models XR-22E, XR-70E, XR-77E, XR-80E, XR-88E



XR-22E Stereo 2-Way



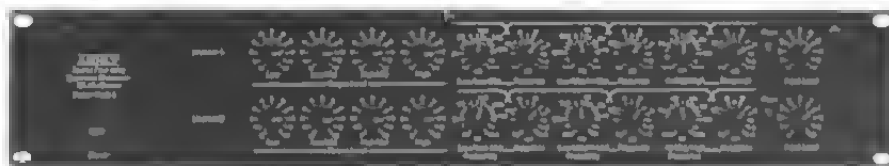
XR-70E 3-Way



XR-77E Stereo 3-Way



XR-80E 4-Way



XR-88 Stereo 4-Way

The Ashly Audio series of 12dB Electronic Crossovers is designed to fill the needs of modern high-power sound systems. Crossover points and response are continuously adjustable and individual output stages with wide range gain controls will drive long cable runs and accurately match any power amplifiers.

All of our 12dB Electronic Crossovers use state-variable filter circuits to perform the frequency divisions. These filters provide simultaneous low-pass and high-pass outputs. All models include inverters on alternate outputs to keep everything in phase.

A Variable Filter Response control is included for adjustment of frequency response in the crossover region,

allowing flat summing. The output stages have a wide range feedback level control circuit to maintain an optimum signal-to-noise ratio at any setting. A special electronic power monitor for the output stages prevents turn-on transients without the use of relays.

Both inputs and outputs can be used as balanced or unbalanced and a peak overload circuit monitors all critical points in the circuit to insure low-distortion operation.

The logical layout of the control panels provides an intuitive, "easy-operation" feel, and LED's display peak information. Our entire line of electronic crossovers, like all Ashly products, now features our exclusive five-year worry-free warranty.

Five-Year Worry-Free Warranty

12dB Per Octave Slopes

Inputs and Outputs Can Be Used Balanced or Unbalanced

Variable Filter Response Allows Tuning-In Butterworth, Elliptical or Other Filter Performances

Flat Summing

Peak Overload Warning Lights

Tamper-Proof Security Covers Optionally Available

Specifications

CONTROLS

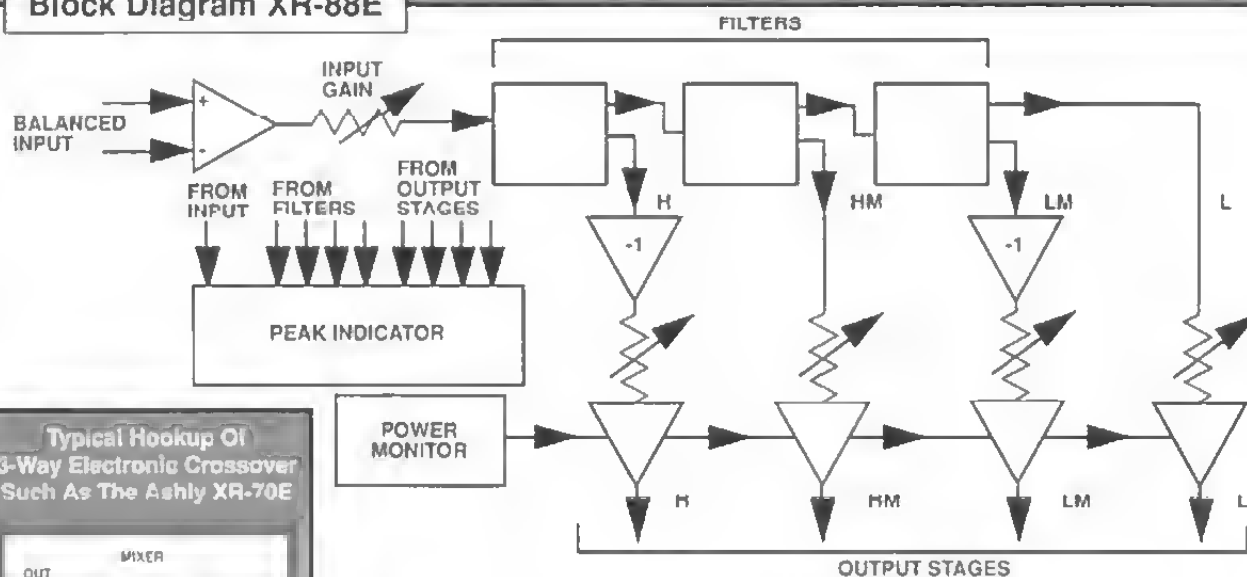
Input Level: $- \infty$ to $+10\text{dB}$
 Damping (crossover point depth): $1.5\text{dB} - 12\text{dB}$
 Output Level: ∞ to $+20\text{dB}$

Input Impedance: $10\text{k}\Omega$ balanced bridging
 Output Impedance: 50Ω unbalanced - terminated w/ 600Ω or more.
 Turn on transient protected.

Maximum Input Level: $+26\text{dBm}$
 Maximum Output Level: $+20\text{dBm}$
 Frequency Response: $\pm 5\text{dB}$ $20\text{Hz} - 20\text{kHz}$ (within passband)
 Distortion: $< .05\%$ THD, $+10\text{dBV}$ $20\text{Hz} - 20\text{kHz}$
 Hum and Noise: -90dBV - Inputs and all outputs unity gain, frequency and rolloff at center rotation. (all outputs)

Power Requirements: 120 VAC $50-60\text{Hz}$, 5W
 Size: XR-22E, XR-70E, XR-80E: $19''\text{L} \times 1.75''\text{H} \times 6''\text{D}$
 XR-77E, XR-88E: $19''\text{L} \times 3.5''\text{H} \times 6''\text{D}$
 Shipping Weight: XR-22E, XR-70E, XR-80E: 8 lbs
 XR-77E, XR-88E: 10 lbs

Block Diagram XR-88E



Ashly also manufactures a complete and comprehensive line of 24dB per Octave Electronic Crossovers, as well as Power Amplifiers, Compressor-Limiters, Noise Gates, Graphic and Parametric Equalizers, and Preamps. Please call or write for information on any of these Ashly Products.

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ASHLY

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